

JOHN H. GRAHAM & CO. DIRECT REPRESENTATIVES

G. W. GRIFFIN CO.

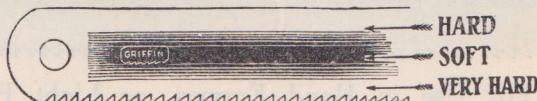
Established in 1880

TRADE GRIFFIN MARK

Hack Saw Blades All Have Milled Teeth

Straight Blades—GRIFFIN BLADES come to you straight, not bowed, hence they cut true.**Result**—More work in less time. More work with less power. A big reduction in your Hack Saw bills.

GRIFFIN "NEW FLEXIBLE" HACK SAW BLADES

"All Have Milled Teeth"

Will Not Sag, Stretch, Heat Nor Bind

Material—Made from tungsten-toughened steel, with hard edges and spring center.**Teeth**—The teeth are actually milled and set by our special machinery. These teeth will not shell or strip.**Temper**—GRIFFIN NEW FLEXIBLE HACK SAW BLADES are tempered throughout, but by a special process the toothed portion of the blade, or about one-quarter of its width, is given the high temper necessary for cutting metals, the central portion is given a spring temper, while the back is only a little less hard than the toothed edge.**Durability**—By this process a blade is produced which has the best cutting and wearing qualities, the stiffness of the all tempered blade and the freedom from breakage found in the flexible blade.**No Stretching**—The GRIFFIN BLADE holds its shape and will not stretch when used in a machine, overcoming the objections common to the ordinary "flexible" blades on the market.

For Price List see Page 212.

GRIFFIN "ALL HARD" HACK SAW BLADES

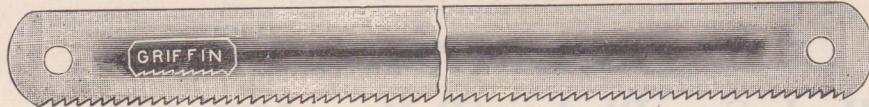
"All Have Milled Teeth"

The Fastest Cutting Blade on the Market

Purposes—GRIFFIN "ALL HARD" BLADES will saw anything from cast iron and soft steel, brass and copper, to the hardest and toughest high carbon, unannealed crucible steel.**Material**—GRIFFIN "ALL HARD" BLADES are made of a tungsten-toughened special analysis steel and tempered by a recently developed process, which makes them outwear any other hard blade on the market.**Teeth**—The teeth are actually milled and of absolute uniformity. The cutting edges are perfect and sharp and the set is true and even. Griffin blades with milled teeth are not to be compared with other blades the teeth of which are made by punching. All Griffin teeth are milled to insure the maximum of cutting efficiency.**Power Blades**—We specialize on Power Blades, and the Griffin "All Hard" Blades will be found to cut fast and true, with wonderful endurance for machine work. They are made in all sizes.

For Price List see Page 213.

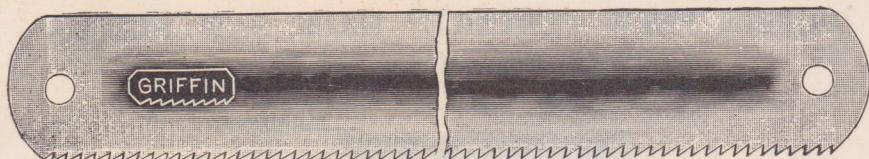
GRIFFIN
“NEW FLEXIBLE” HACK SAW BLADES

**1/2" WIDE.**

For General Use in Hand Frames

Length—Inches	6	7	8	9	10	11	12	14
.025 or 23 gauge	\$7.00	7.50	8.00	9.00	10.00	11.00	12.00	14.80 per gross
Number of Teeth per inch:	Regular		Special		Medium		Fine	Very Fine
	16		18		22		28	32

Note: No other blade equals the above for use in hand frames.

**9/16" WIDE.** For Use in Hand Frames, or Light Power Machines

Length—Inches	12				
.028 or 22 gauge	\$12.00				
Number of Teeth per inch:	Regular	Special	Medium	Fine	Very Fine
	16	18	22	28	32

5/8" WIDE. For Use in Hand Frames, or Light Power Machines

Length—Inches	10	11	12	14
.028 or 22 gauge	\$10.20	11.40	12.60	15.00 per gross
.032 or 21 gauge	—	—	14.40	16.80 per gross
Number of Teeth per inch:	Regular	Special	Medium	Fine
	16	18	22	*28

* Blades No. 21 Gauge are not supplied with “Fine” or “Very Fine” Teeth.

3/4" WIDE. For Use in Hand Frames, or Light Power Machines

Length—Inches	10	12	14	17	18
.032 or 21 gauge	\$13.50	16.20	18.90	22.95	24.30 per gross
Number of Teeth per inch:	Regular		Special		Medium
	16		18		22

Packages: New Flexible Blades one dozen in a bundle, one-half gross in a Box.

For Power Machines we advise the use of Griffin “All Hard” Blades, illustrated and listed on Page 213.

SPECIFICATION DATA

Purposes: This table applies to both “Flexible” and “All Hard” Blades and is intended to assist in the proper selection of blades for each requirement.

REGULAR, “Flexible”	16 teeth to inch	For Soft Steel, Cast Iron, etc.
REGULAR “All Hard”	14 “ “	
SPECIAL	18 “ “	For General Shop Use.
MEDIUM	22 “ “	For Tool Steel, Hard Metals, etc.
FINE	28 “ “	For Iron Pipe, Brass and Copper.
VERY FINE	32 “ “	For Thin Tubing and Sheet Metals.

JOHN H. GRAHAM & CO. DIRECT REPRESENTATIVES

GRIFFIN

"ALL HARD" HACK SAW BLADES



TRADE

MARK

GRiffin

HACK SAWs

LIST OF MARCH 1, 1923

See New List

"NEW GRIFFIN"

Hardened Edges-Spring Center
(Formerly Designated Flexible)

and

"GRIFFIN ALL-HARD"

Made by

G. W. GRIFFIN CO. - - - - Franklin, N. H.

Power Use

0 per gross
Very Fine
32

Power Use

Very Fine
32

Power Use

Very Fine
*32

" Teeth.

ed Machines

3
30 per gross
10 per gross

ed Machines

3
30 per gross
50 per gross

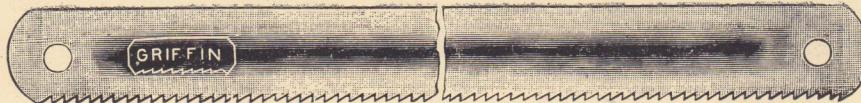
ed Machines

th given.

dy Package.

Length 12 in.
Width 1/2 in.
Tooth 14 to 16
ITATIONS

n a box.
box.



NEW GRIFFIN
HARDENED EDGES—SPRING CENTER
 (Formerly designated Flexible)

TUNGSTEN STEEL

MILLED TEETH

For Hand Frames

Length Inch	Width Inch	Thickness	Teeth per Inch				List per Gross
			Regu- lar	Spe- cial	Me- dium	Fine	
52		average					
6	1/2	.025 or 23 ga.	16	..	22	32	\$7.00
8	1/2	.025 or 23 ga.	16	18	22	32	8.00
9	1/2	.025 or 23 ga.	16	18	22	32	9.00
10	1/2	.025 or 23 ga.	16	18	22	32	10.00
12	1/2	.025 or 23 ga.	16	18	22	32	12.00
12	9/16	.025 or 23 ga.	14	18	22	32	12.00
14	1/2	.025 or 23 ga.	16	18	22	32	14.80

For Hand Frames or Light Power Use

Length Inch	Width Inch	Thickness	Teeth per Inch			List per Gross
			Regular	Special	Medium	
12	9/16	.028 or 22 ga.	14	18	..	\$15.24
12	5/8	.028 or 22 ga.	14	18	22	16.80
12	5/8	.032 or 21 ga.	14	18	22	17.88
14	5/8	.028 or 22 ga.	14	18	..	19.44

Blades .028 & .032 can also be furnished **GRIFFIN ALL-HARD**. We recommend **NEW GRIFFIN** for hand use.

Regular, 16 teeth to inch, for soft steel, cast iron, etc.

Special, 18 teeth to inch, for general shop use.

Medium, 22 teeth to inch, for tool steel, hard metals, etc.

Fine, 32 teeth to inch, for iron pipe, brass and copper, thin tubing and sheet metals.

Packed 1/2 Gross in a Box

Blades not listed will be furnished at Special Prices.



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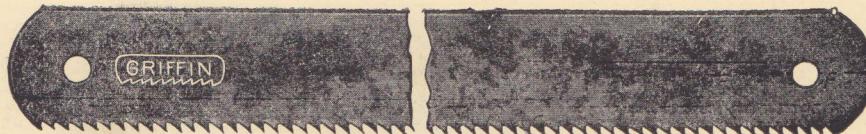
Length Inch	Width Inch
12	3/4
12	3/4
12	1
14	3/4
14	3/4
14	1
14	1
14	1 1/4
16	1
17	1
17	1
17	1 1/4
18	1
18	1
20	1
20	1
24	1
24	1 1/4

21 Gauge Bla
Power Blades
Packed 1/2 gro

B

JOHN H. GRAHAM & CO. DIRECT REPRESENTATIVES

GRiffin
"ALL HARD" HACK SAW BLADES



GRiffin
ALL-HARD
TUNGSTEN STEEL **MILLED TEETH**

For Heavy Work or High Speed Machines

Length Inch	Width Inch	Thickness	Teeth per Inch		List per Gross
			Regular	Special not	
12	3/4	.032 or 21 ga.	14	18	\$21.36
12	3/4	.049 or 18 ga.	14	10	28.92
12	1	.049 or 18 ga.	10	14	37.92
14	3/4	.032 or 21 ga.	14	..	24.36
14	3/4	.049 or 18 ga.	14	10	33.12
14	1	.049 or 18 ga.	10	14	43.56
14	1	.065 or 16 ga.	10	67	50.88
14	1 1/4	.065 or 16 ga.	10	23	61.32
16	1	.065 or 16 ga.	10	..	56.88
17	1	.049 or 18 ga.	10	14	51.72
17	1	.065 or 16 ga.	10	..	59.52
17	1 1/4	.065 or 16 ga.	10	..	71.76
18	1	.049 or 18 ga.	10	..	54.36
18	1	.065 or 16 ga.	10	..	62.04
20	1	.049 or 18 ga.	10	14	59.52
20	1	.065 or 16 ga.	10	..	67.92
24	1	.065 or 16 ga.	10	..	79.32
24	1 1/4	.065 or 16 ga.	10	..	99.24

21 Gauge Blades will also be furnished NEW GRIFFIN.

Power Blades 14 in. and 17 in. measure $\frac{1}{2}$ in. less between holes than length given.

Packed $\frac{1}{2}$ gross in a box; except 16 and 18 gauge which are packed $\frac{1}{4}$ gross in a box.

Blades not listed will be furnished at Special Prices.

Power Use

0 per gross
Very Fine
 32

Power Use

Very Fine
 32

Power Use

Very Fine
 *32

," Teeth.

ed Machines
 8
 30 per gross
 10 per gross

ed Machines
 4
 80 per gross
 60 per gross

ed Machines

th given.

udy Package.

Length 12 in.
 Width 1/2 in.
 Teeth 14 to 16
ITATIONS

in a box.
 box.



SOLVING THE HACK SAW PROBLEM

The first of the modern type of hand Hack Saw Blades, made over forty years ago, were "Flexible" with soft backs. They were a revelation in metal cutting, but they had faults; they would heat and bind; sag and stretch. Hence, when all-hard blades were introduced they quickly won favor because they cut faster and easier.

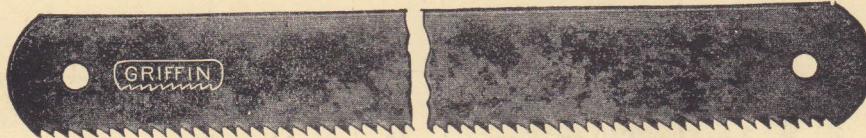
But these, too, had faults for hand use. They have faults today. They break easily, the teeth fly out far too readily; they are not economical. To avoid the faults of both these types of blades has been the great Hack Saw Problem.

NEW GRIFFIN HACK SAW BLADES are made from tungsten-toughened steel. The back is hard, the toothed portion, for about a quarter the width of the blade, is harder, but the center is left moderately soft. By this process a blade is produced that has the best of cutting and wearing qualities, with the stiffness of the all-hard blade and the freedom from breakage found in the flexible blade.

TO CUT rapidly and easily the teeth of a hack saw blade must be **glass hard**. The teeth in **NEW GRIFFIN HACK SAW BLADES** are milled and set by machinery specially manufactured for the purpose. They do not fly out, because their base rests in softer tough steel, and the blades do not break, because of the soft, yet springy center.

NEW GRIFFIN HACK SAW BLADES will not sag, stretch, heat nor bind. They overcome all the objections to other types of blades. They have **all** the good qualities but **none** of their faults.

NEW GRIFFIN HACK SAW BLADES Solve the Hack Saw Problem.



GRIFFIN ALL-HARD BLADES For Power Machine Use

In this work the heavier weight of the blades and the absence of side strain, combined with the steadiness of a machine stroke, remove the necessity for the special features of New Griffin Blades.

We specialize on Power Blades, making them from tungsten steel, and tempering them singly to secure uniformity.

GRIFFIN ALL-HARD POWER BLADES cut fast and true and have unequalled endurance.

1/2" WIDE
Length—Inches
.025 or 23 ga
Number of Teeth

9/16" WIDE
Length—Inches
.028 or 22 ga
Number of Teeth

5/8" WIDE
Length Inches
.028 or 22 ga
.032 or 21 ga
Number of Teeth

3/4" WIDE
Length—Inches
.032 or 21 ga
.049 or 18 ga
Number of Teeth

1" WIDE
Length—Inches
.049 or 18 ga
.065 or 16 ga
Number of Teeth

1 1/4" WIDE
Length—Inches
.065 or 16 ga
Number of Teeth

Power Blades

Handy Pack



Sizes
Sizes

JOHN H. GRAHAM & CO. DIRECT REPRESENTATIVES

GRIFFIN

"ALL HARD" HACK SAW BLADES



1/2" WIDE.

Length—Inches	6	7	8	9	10	11	12	14	For Hand Frames or Light Power Use
.025 or 23 gauge	\$7.00	7.50	8.00	9.00	10.00	11.00	12.00	14.80	per gross
Number of Teeth per inch:		Regular		Special		Medium		Fine	Very Fine
		16		18		22		28	32

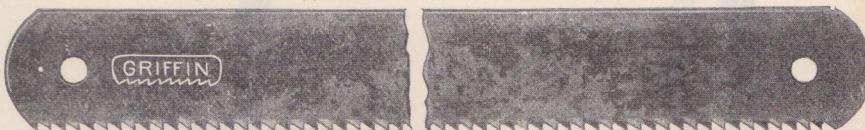
9/16" WIDE.

Length—Inches	12	14	For Hand Frames or Light Power Use
.028 or 22 Gauge	\$12.00	\$15.00	per gross
Number of Teeth per inch:	Regular	Special	Medium
	14	18	22

5/8" WIDE.

Length Inches	10	11	12	14	For Hand Frames or Light Power Use
.028 or 22 Gauge	\$10.20	11.40	12.60	15.00	per gross
.032 or 21 Gauge			14.40	16.80	per gross
Number of Teeth per inch:	Regular	Special	Medium	Fine	Very Fine
	14	18	22	*28	*32

*Blades No. 21 Gauge are not supplied with "Fine" or "Very Fine" Teeth.



3/4" WIDE.

Length—Inches	10	11	12	14	16	17	18	For Heavy Power Work or High Speed Machines
.032 or 21 gauge	\$13.50	14.85	16.20	18.90	21.60	22.95	24.30	per gross
.049 or 18 gauge	19.50	21.45	23.40	27.30	31.20	33.15	35.10	per gross
Number of Teeth per inch:	Regular		Special		Special			
	14		18		22			

1" WIDE.

Length—Inches	11	14	16	17	18	20	24	For Heavy Power Work or High Speed Machines
.049 or 18 gauge	\$26.95	34.30	39.20	41.65	44.10	49.00	58.80	per gross
.065 or 16 gauge	34.65		50.40	53.55	56.70	63.00	75.60	per gross
Number of Teeth per inch:	Regular		Special		Special			
	10		8		14			

1 1/4" WIDE.

Length—Inches	14	17	24	For Heavy Power Work or High Speed Machines
.065 or 16 gauge	\$59.50	72.25	102.00	per gross
Number of Teeth per inch:	Regular		Special	
	10		8	

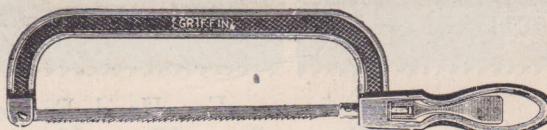
Power Blades 14 inch and 17 inch measure one-half inch less between holes than length given.

Handy Packages: "ALL HARD" Blades under 1 inch wide are put up in our new Handy Package.



Sizes 9/16, 5/8 and 3/4 inch are packed one dozen in a carton, one-half gross in a box.
 Sizes 1 and 1 1/4 inch are packed one dozen in a bundle, one-quarter gross in a box.

GRIFFIN PATENT HACK SAW FRAMES



No. 30—Japanned Frame. Patent adjustment, quick and positive. Blade secured in place by two staple pins, easily detached or replaced.

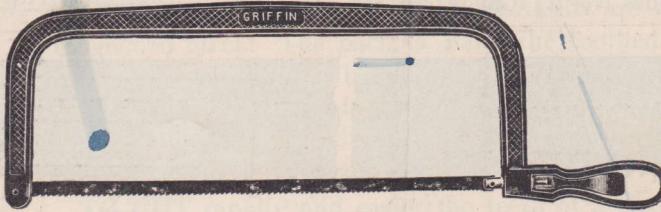
List For Frames Complete With One Dozen Extra Blades

Size, inches.....	6	7	8	9	10	11	12	13
Per dozen	\$12.75	\$13.45	\$14.35	\$15.65	\$16.85	\$19.35	\$20.00	\$24.75

Packed One in a Box.

GRIFFIN PATENT HACK SAW FRAME

No. 30, Extra Heavy, 14 Inch



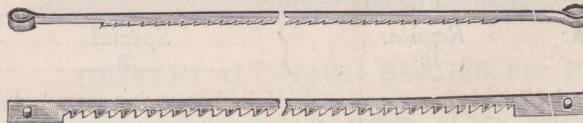
Japanned Frame. Patent adjustment, quick and positive. Blade secured in place by two staple pins, easily detached or replaced; depth of cut $4\frac{3}{4}$ inches.

No. 30. 14 inch, complete with one dozen extra blades..... Per dozen, \$27.60

Packed One in a Box.

GRIFFIN COPING SAW BLADES

These blades are made from superior stock. *They are tempered to withstand hard usage and will cut through nails imbedded in wood. They cut rapidly and have a slight set which prevents heating or binding. Each blade is carefully inspected.*

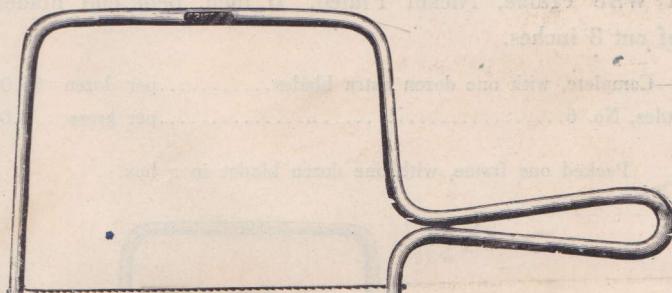


	Per gross
Griffin Coping Saw Blades, 6 inch, bent ends (No. 10) (Regular).....	\$3.00
Griffin Coping Saw Blades, 6 inch, straight ends.....	3.00
Griffin Coping Saw Blades, 6 inch, bent ends (No. 6) (Special).....	3.00
Griffin Coping Saw Blades, 6½ inch, pin ends (Regular).....	9.00
Griffin Coping Saw Blades, 6 inch, pin ends (Special).....	9.00

Packed one dozen in an envelope; twelve envelopes in a box

JOHN H. GRAHAM & CO. DIRECT REPRESENTATIVES

GRIFFIN COPING SAWS



Steel Wire Frames. Adjustable

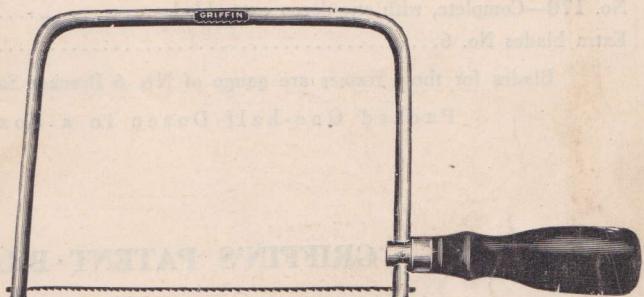
All Wire, 6 inch bent end blades. Depth of cut 4 inches.

No. 100—Nickel Plated Frame, complete, with one dozen extra blades Per dozen, \$4.80

No. 0100—Tinned Frame, complete, with one dozen extra blades " 4.30

Extra blades Per gross, 3.00

Packed One-half Dozen in a Box

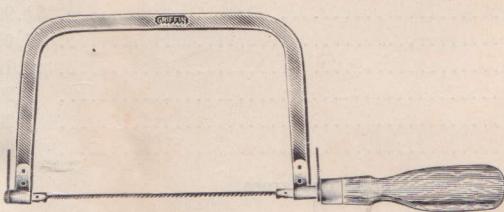


Nickel Plated Wire Frame, Black Hardwood Handle, 6 inch, bent end blades. Depth of cut 4 inches.

No. 110—Complete, with one dozen extra blades Per dozen, \$5.00

Extra blades Per gross, 3.00

Packed One-half Dozen in a Box



Steel Frames. Adjustable

Nickel Plated Steel Frame. Black Rubberoid Handles. Depth of cut, 4 1/4 inches.

No. 120—Complete with one dozen extra 6 in. bent end blades Per doz. \$12.50

Extra blades Per gross, 3.00

No. 125—Complete with one 6 1/2 in. pin blade Per doz. 12.00

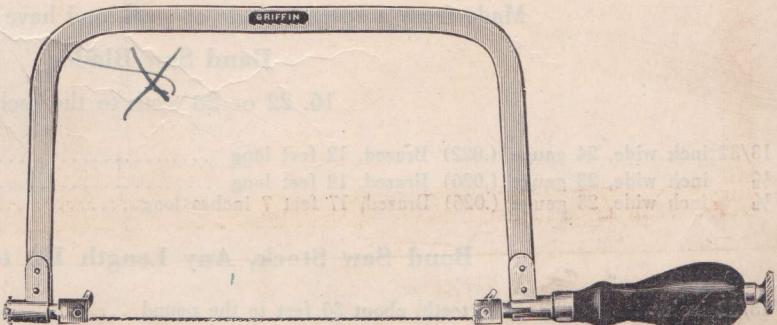
Extra blades Per gross, 9.00

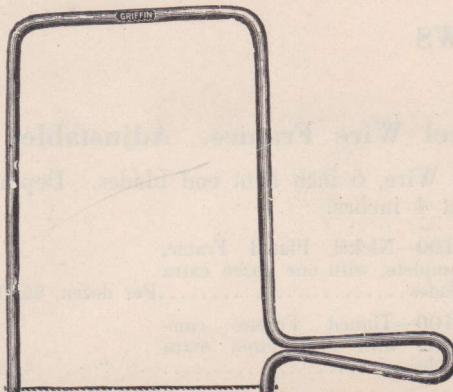
Polished steel frame, with thumb screw attachment for holding straight blades.

No. 130—Complete, with one dozen extra straight blades... Per doz. \$25.00

Extra blades, 6 inch..... Per gross 3.00

Packed one-half dozen in a box.





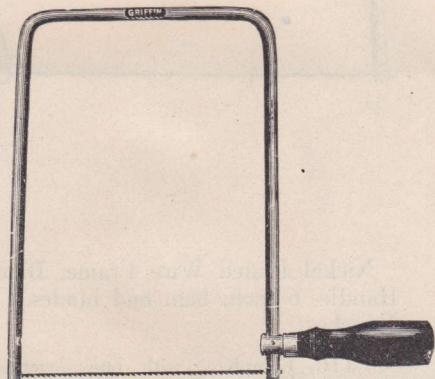
GRIFFIN BRACKET SAWS

Nickel Plated Steel Wire Frames. Adjustable

All Wire Frame, Nickel Plated. 6 inch, bent end blades.
Depth of cut 8 inches.

No. 160—Complete, with one dozen extra blades.....per dozen \$6.00
Extra blades, No. 6.....per gross 3.00

Packed one frame, with one dozen blades in a box.



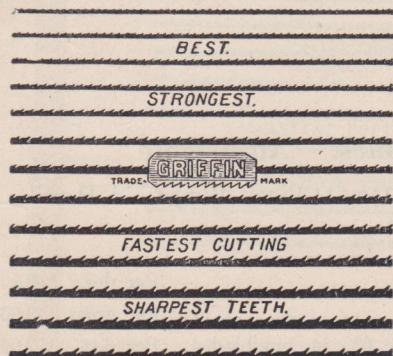
All Wire Frame, Nickel Plated, Black Hardwood Handles.
6 inch, bent end blades. Depth of cut 8 inches.

No. 170—Complete, with one dozen extra blades.....per dozen \$7.50
Extra blades No. 6.....per gross 3.00

Blades for these frames are gauge of No. 6 Bracket Saw Blades.

Packed One-half Dozen in a Box

GRIFFIN'S PATENT BRACKET SAW BLADES



Our scroll saw blades have been on the market for more than thirty years. They are very keen cutters, have a slight set by which all heating or binding is avoided, and are tempered.

Sizes

	Per gross
No. 000, 00, 0.....	\$1.90
No. 1, 2, 3.....	2.00
No. 4, 5, 6.....	2.10
No. 7, 8.....	2.20
No. 9, 10.....	2.20
Assorted (000 to 6).....	2.00

Packages contain one gross

BAND SAW BLADES AND BAND SAW STOCK

Made from a special grade of steel, and have a special temper.

Band Saw Blades

16, 22 or 28 teeth to the inch.

	Per dozen
13/32 inch wide, 24 gauge (.022) Brazed, 12 feet long	\$15.00
1/2 inch wide, 23 gauge (.026) Brazed, 12 feet long	17.25
1/2 inch wide, 23 gauge (.026) Brazed, 17 feet 7 inches long.....	22.50

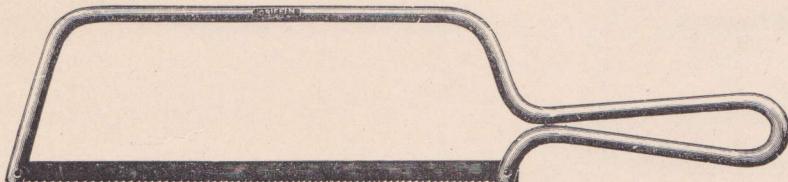
Band Saw Stock, Any Length Up to 500 Feet

	Per pound
13/32 inch wide, 16, 22 or 28 teeth, about 30 feet to the pound.....	\$3.75
1/2 inch wide, 16, 22 or 28 teeth, about 25 feet to the pound.....	3.00

JOHN H. GRAHAM & CO. DIRECT REPRESENTATIVES

GRIFFIN HANDY HACK SAWS

For Sawing Brass, Iron, Steel, Lead Pipe, Bone and Metals of All Kinds



Wire Handle

A convenient and practical tool for the household and shop; should be in every amateur tool set. The blade is secured by two pins and may be readily removed or replaced.

No. 250—8 inch Coppered Frame, complete, with one blade.....	Per dozen, \$4.80
No. 251—8 inch Nickel Plated Frame, complete, with one blade.....	" 5.50
Extra blades.....	Per gross, 8.00

Packed One-Half Dozen in a Box.



"Household" Wooden Handle

No. 25—8 inch Coppered Frame, complete, with one blade.....	Per dozen, \$4.80
Extra blades.....	Per gross, 8.00

Packed One-Half Dozen in a Box.

GRIFFIN JEWELERS' HACK SAWS

For Sawing Metals of All Kinds

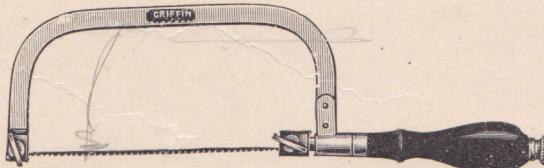


A handy tool for the Jeweler, Watchmaker and Locksmith.

No. 150—6 inch, complete, with one blade.....	Per dozen, \$4.80
Extra blades.....	Per gross, 7.50

Packed One-Half Dozen in a Box.

GRIFFIN JEWELERS' SAWS



No. 40—5 inch blade, Polished Frame, complete, with one dozen extra blades.....	Per dozen, \$18.00
No. 50—5 " " Nickel Plated Frame, complete, with one dozen extra blades.....	" 20.00

Packed one frame in a box, with one dozen extra blades.

